

mixtures thereof, wherein the carbon black has an iodine adsorption number of from 25 to 1,200 m<sup>2</sup>/g and is present in an amount of from 100 to 5000 parts per hundred parts rubber.

25. (New) The adsorbent of Claim 24, wherein the carbon black is present in an amount of from 100 to 2000 parts per hundred parts rubber.

26. (New) The adsorbent of Claim 24, wherein the carbon black is present in an amount of from 100 to 3000 parts per hundred parts rubber.

27. (New) The adsorbent of Claim 24, wherein the carbon black has an iodine adsorption number of from 25 to 1075 m<sup>2</sup>/g.

28. (New) The adsorbent of Claim 24, wherein the pulverulent rubber comprises SBR rubber.

29. (New) The adsorbent of Claim 24, wherein the pulverulent rubber has a particle size distribution of from 0.4 to 10 mm and a total pore volume of from 1.0 to 4 ml/g.

30. (New) The adsorbent of Claim 24, further comprising at least one inorganic filler.

31. (New) The adsorbent of Claim 24, further comprising sodium aluminosilicate in an amount of from 100 to 3000 parts per hundred parts rubber.

32. (New) The adsorbent of Claim 24, further comprising a zeolite in an amount of from 100 to 3000 parts per hundred parts rubber.

33. (New) The adsorbent of Claim 24, wherein the pulverulent rubber is selected from the group consisting of a natural rubber; an emulsion SBR with a styrene proportion of 10 to 50%; a butyl-acrylonitrile rubber; a butyl rubber; a terpolymer of ethylene, propylene and a non-conjugated diene; a butadiene rubber; and SBR rubber synthesized by a solution polymerization method and having a styrene content of 1,2-vinyl constituents of from 20 to 55%; isoprene rubber; and mixtures thereof.

34. (New) The adsorbent of Claim 33 comprising isoprene rubber, wherein the isoprene rubber is 3,4-polyisoprene.

35. (New) The adsorbent of Claim 24, wherein the pulverulent rubber has mesopores of from 2 to 30 nm and macropores greater than 30 nm in a ratio of from 1:2.5 to 1:22.

36. (New) The adsorbent of Claim 24, wherein the carbon black has a CTAB number of from 15 to 700 m<sup>2</sup>/g, a DBP adsorption of from 30 to 400 ml/100 g and a 24 M4 DBP number of from 50 to 400 ml/100 g.

C 37. (New) The adsorbent of Claim 24, wherein the carbon black is present in the pulverulent rubber in a proportion of from 40 to 98 wt%.

38. (New) The adsorbent of Claim 24, wherein the carbon black is present in the pulverulent rubber in a proportion of from 66 to 96 wt%.

39. (New) The adsorbent of Claim 24, obtained by precipitating pulverulent rubber from an aqueous emulsion comprising a rubber and carbon black.

40. (New) The adsorbent of Claim 24, wherein the carbon black has a mean particle diameter of from 1 to 9 μm.

41. (New) The adsorbent of Claim 24, wherein the carbon black has a mean particle diameter of from 1 to 8 μm.

42. (New) The adsorbent of Claim 24, wherein the total pore volume is from 1.0 to 4 ml/g.

43. (New) The adsorbent of Claim 24, wherein the total pore volume is from 1.5 to 3 ml/g.